Precision RTD Thermometer

High Accuracy Water-Proof

TU-6100   Dual RTD input with Data Logging

☐ IP66 ☐ 0.01° ☐ RS-232 ☐ USB

- High Resolution : 0.01°
- IP66 Water-Proof
- Accept PT100 and PT1000Ω Input
- Dual Probes (T1-T2)
- Large LCD Display with LED Back-Light
- Hold / Max. / Min. / Average
- High / Low Alarm Setting
- USB / RS-232 Output
- CE and RoHS Approved

Data Logging

Specifications of TU-6100

Input Types (RTD)	PT-100Ω / PT-1000Ω (α= 3850, ITS-90), Dual input (four wire RTD)
Measurement Range	PT-100Ω / PT-1000Ω (-200.00 ~ +850.00°C, -328.00 ~ +1562.0°F)
Resolution	0.01°C (Full Measuring Range); 0.01°F(under 999.99°F), 0.1°F(above 1000.0°F)
Accuracy*	± 0.05% of rdg + 0.1°C (In 23±5°C, operating environment) ± 0.1% of rdg + 0.2°C (Out of 23±5 °C, operating environment)
Sampling Rate*	Approx. 0.5 sec.
Main Functions	Hi / Lo Alarm setting, T1-T2, Data hold, Max./Min./Avg.values record, Switchable °C / °F, Digital USB / RS-232 output, Battery sign and low battery warning, Outside calibration function, LED Back-light, IP66 water and dust proof
Output	USB / RS-232, 0.01°C / 1 BIT (protocol provided)
Power Source	One 9 V battery or AC Adaptor
Dimensions/Weight	150 x 75 x 28 mm, Approx.260g (battery included)
Input Connection	Four wire connector water-proof socket
Operating Environment	-30 ~ + 60°C ; 0 ~ 100%RH
Special Accessories	Water-proof plug and cable for RTD Temperature probe
Approvals	CE, RoHS, IP66

*Above accuracy and sampling rate excludes errors generated by temperature probe.

Ordering Information :

※Can be purchased separately TU-6100, or purchase with accessories.

① **TU-6100**	Precision digital thermometer, RTD type
② **LP-12U**	Immersion temperature probe
③ **LP-32U**	Needle temperature probe
④ **LP-C6U-W**	Waterproof plug and cable for RTD Temperature probe
⑤ **TU-RS232-W**	RS-232 Interface cable
⑥ **TU-USB-W**	USB computer interface cable
⑦ **TU-766C**	Plastic carrying case
⑧ **TU-6019 / 6029**	AC Adaptor, TU-6019 (AC100V±10%) / TU-6029 (AC220V±10%)

*Specifications are subject to change without notice.

TU-6100KIT

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